

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0032] with the following paragraph:

[0032] The non-volatile memory 242 may take many forms. In accordance with at least some embodiments of the invention, the non-volatile memory 242 may be non-volatile random access memory (NVRAM). The NVRAM may take many forms, *e.g.* random accessory memory with a battery backup, a combination of SRAM and electrically erasable programmable read-only memory (EEPROM), or a solid state magnetic-type RAM. Alternatively, the non-volatile memory 242 may comprise one or more EEPROMs, which are periodically written with data generated by the downhole device. In still other embodiments of the invention, the non-volatile memory may be some form of optical storage media (*e.g.* CD-ROM or other optical device known in the art or after developed). Thus, any removably coupled persistent storage media may be used to store downhole data. The non-volatile memory 242 may be addressed serially, such as by a universal serial bus (USB), or may be some form of standards-based or proprietary package, such as a PCMCIA compliant device, a Smart Media device (originally developed by ~~Toshiba~~ TOSHIBA®), or a Compact Flash device (originally developed by ~~Sandisk~~ SANDISK®).

Please replace paragraph [0039] with the following paragraph:

[0039] Regardless of the precise nature of the downhole device, in accordance with embodiments of the invention, a non-volatile memory 242 may couple to the electronic ~~sensor~~ insert 608. The non-volatile memory 242 may be coupled to the electronic ~~sensor~~ insert 608 by insertion of the non-volatile memory through the box end 602, as indicated by arrow 614. Likewise, once the non-volatile memory stores data gathered and/or generated downhole, the non-volatile memory 242 may be disconnected and coupled to the surface computer. The disconnection in these alternative embodiments may involve disconnecting the downhole device from the bottomhole assembly to obtain access to the non-volatile memory through the box end 602 of the downhole tool body 600. In accordance with embodiments of the invention, the non-volatile memory 242 may couple to a connector 616 on an external surface of the electronics insert 608. The connector 616 may thus couple the non-volatile memory 242, external to the electronics insert 608, to the processor 210 within the electronics insert 608. While the connector is shown to be a part of the external housing

of the electronics insert 608, there may be one or more intervening devices and systems between the connector 616 and the electronics insert 608. Further, depending on the nature of the non-volatile memory 242, a system such as that illustrated with respect to Figure 5, having a connector within a recess and protected by a cap, may be implemented in the embodiments of Figure 6 with access to the cap being through the box end 602 when the downhole tool body is disconnected from the bottomhole assembly.